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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/904,084	904,084 07/12/2001		Dongming Zhu	33253US1	33253US1 1872	
116	7590	10/27/2003		EXAM	EXAMINER	
PEARNE 6			MARCANTO	NI, PAUL D		
SUITE 120		C.C.1	ART UNIT	PAPER NUMBER		
CLEVELA	ND, OH	44114-3108	1755	·		

DATE MAILED: 10/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

•			9				
		Application No.	Applicant(s)				
		09/904,084	ZHU ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Paul Marcantoni	1755				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.							
- Any re	e to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).						
1) 	Responsive to communication(s) filed on 7/15	/02 PCE filing					
2a)□		s action is non-final.					
3)□	,—		neacution as to the merits is				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠	Claim(s) 1-20 is/are pending in the application						
4	a) Of the above claim(s) is/are withdraw	n from consideration.					
5)	Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-20</u> is/are rejected.							
7)	Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application	on Papers						
9)☐ The specification is objected to by the Examiner.							
10)∐ T	The drawing(s) filed on is/are: a)☐ accep	· · · · · · · · · · · · · · · · · · ·					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
	☐ All b)☐ Some * c)☐ None of:						
1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) 🗌 A	14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.							
Attachment(s)							
2) 🔲 Notice	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449) Paper No(s) 7.	5) Notice of Informal P	(PTO-413) Paper No(s) atent Application (PTO-152)				

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Fehrenbacher (US Patent No. 3,634,113).

Fehrenbacher teaches a combination of zirconia and the same stablizer components as claimed by applicants for their instantly claimed invention thus anticipating this invention. Even if not anticipated, overlapping ranges of amounts would have been prima facie obvious to one of ordinary skill in the art. (see claims1-8 in col.4).

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as failing to set forth the subject matter which applicant(s) regard as their invention.

Claims 1-20 are indefinite, especially with respect to all independent claims (e.g. for example see claims 1,8, or 16), as there is no distinction between the primary stabilizer which can be a rare earth oxide such as dysprosium oxide or erbium oxide, the group A dopant which only needs to be a rare earth oxide, and group B dopant

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which contains other rare earth oxides. How does one distinguish between 2 or 3 of these components if they are the same? It would not appear to make sense in that regard. There is nothing in the claims (independent) from showing that at least the rare earth oxides used are different.

Applicants should amend their claim so there is no vagueness with respect to which rare earth metal oxides are the primary stablizer, group A dopant, and group B dopant. By showing that they are all different rare earth oxides for each of these three groups is how applicants should overcome this rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Marcantoni whose telephone number is (703)-308-1196. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell can be reached on (703) 308-3823. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-872-9310 for regular communications and (703)-872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0651.

Paul Marcantoni Primary Examiner Art Unit 1755